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APPLICATIONS OF ERTS-A DATA COLLECTION SYSTEM (DCS) IN
THE ARIZONA REGIONAL ECOLOGICAL TEST SITE (ARETS)

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Type I Progress Report for Period 15 August - 15 October 1972

(E73-10333) APPLICATIONS OF ERTS-A DATA
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Type I Progress Report
ERTS-A

- a. TITLE: Applications of ERTS-A Data Collection System (DCS)
in Arizona Regional Ecological Test Site (ARETS)

ERTS-A Proposal No. SR 184

- b. GSFC ID No. of P.I.: IN 066

- c. Statement and explanation of problems impeding the progress of the investigation:

The long delay in funding and launch of ERTS-A has caused serious delays in the necessary reassignment of personnel and procurement of certain sensors necessary to conduct the investigation.

- d. Accomplishments during reporting period and plans for next reporting period:

Seven (7) DCS platforms and one DCS test set have been received. All platforms received were digital although two analog platforms were requested. No analog cards have been received. The DCS test set received was extensively damaged in shipment. Repair of DCS test set has started.

Two Stevens digital water-level recorders, with telemetry capability, have been received and bench checked. A third recorder was shipped from Washington, DC to Yuma, Arizona by mistake and has been lost in shipment. Efforts are being made to recover or replace this recorder. Construction of streamflow gaging station on Verde River near Camp Verde, Arizona for use with DCS platform has been completed.

Plans for the next reporting period include:

- 1) Reassignment of the necessary staffing and procurement of special equipment.
- 2) Repair of DCS test set and testing of DCS platforms.
- 3) Obtaining cables necessary to interface DCS platforms and sensors.
- 4) Initial installation of DCS platforms.

- e. Significant scientific results: Nothing to report
- f. Published reports: None
- g. Recommendations concerning practical changes in operations: N.A.
- h. Changes in standing order forms: N.A.
- i. ERTS Image Descriptor Forms: N.A.
- j. Changed Data Request Forms: No changes
- k. Status of Data Collection Platforms:

Seven (7) Data Collection Platforms received. One platform returned to G. E. at NASA request for modification.

One (1) DCS test set received that was damaged in shipment.